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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO.		
09/967,136	09/27/2001	Richard Joseph McConnell	ST00025USU (123-US-U1)	4922	
34408 THE ECLIPSE	7590 02/25/2009 GROUP LLP	•	EXAMINER		
10605 BALBO	A BLVD., SUITE 300		BURD, KEVIN MICHAEL		
GKANADA HI	ILLS, CA 91344		ART UNIT	PAPER NUMBER	
			2611		
			MAIL DATE	DELIVERY MODE	
			02/25/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application	on No.	Applicant(s)				
		09/967,13	36	MCCONNELL, RICHARD JOSEPH				
		Examiner		Art Unit				
		Kevin M. I	Burd	2611				
Period fo	The MAILING DATE of this communication or Reply	appears on the	e cover sheet with the c	correspondence a	ddress			
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILING asions of time may be available under the provisions of 37 CFI SIX (6) MONTHS from the mailing date of this communication of period for reply is specified above, the maximum statutory pere to reply within the set or extended period for reply will, by streply received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	G DATE OF TH R 1.136(a). In no evon. Priod will apply and w tatute, cause the app	HIS COMMUNICATION ent, however, may a reply be tin III expire SIX (6) MONTHS from lication to become ABANDONE	N. nely filed the mailing date of this of (35 U.S.C. § 133).				
Status								
1) 又	Responsive to communication(s) filed on 2	24 December 2	008					
•								
	, 							
٥/ا	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)⊠	∑ Claim(s) <u>1-8</u> is/are pending in the application.							
,	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
	⊠ Claim(s) <u>1-8</u> is/are rejected.							
· ·	Claim(s) is/are objected to.							
-	Claim(s) are subject to restriction ar	nd/or election re	equirement.					
Applicati	on Papers							
9)□	The specification is objected to by the Exan	niner.						
-	The drawing(s) filed on is/are: a)		objected to by the I	Examiner.				
,	Applicant may not request that any objection to							
			-		FR 1.121(d).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice (3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate				

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1. This office action, in response to the amendment and remarks filed 12/24/2008, is a final office action.

Response to Arguments

2. Applicant's arguments filed 12/24/2008 have been fully considered but they are not persuasive. The amendment to claim 1 provides additional information regarding the composition of the received signal, particularly that the spread signal is made up of I and Q signal data and the spread signal is correlated with PN codes. In spread spectrum receivers, to despread the spread signal, the received signal is correlated with the appropriate spreading code (PN code) to recover the originally transmitted data. This correlation takes place in Kuo as stated in the previous office action. See column 1, lines 22-25 and column 2, lines 34-43 for further information. Kuo also discloses using I/Q spreaders to recover the data in column 2, lines 34-43. Therefore, the correlation process correlates the received signal with PN codes. The received signal also comprises I and Q data. The rejections of the claims are maintained and restated below.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuo et al (US 6,370,208) in view of Underbrink (US 6,650,879).

Regarding claims 1 and 3-5, Kuo discloses a correlator for CDMA applications. An incoming spread spectrum signal is received. In spread spectrum receivers, to despread the spread signal, the received signal is correlated with the appropriate spreading code (PN code) to recover the originally transmitted data. This correlation takes place is described in column 1, lines 22-25 and column 2, lines 34-43. Kuo also discloses using I/Q spreaders to recover the data in column 2, lines 34-43. Therefore, the correlation process correlates the received signal with PN codes. The correlators categorize different combinations of code sequences and identify locations for which code elements for the code sequences are equivalent. The despreading operation is performed once for each equivalent combination (abstract). The ability to derive correlator outputs for multiple codes from these terms allows redundant computations to be eliminated (column 5, lines 1-5). Claim 1 of the reference discloses the method of demodulating the signal as well. The locations where the code elements are equivalent are determined and the redundant calculations are removed. The correlation and despreading is dependent on the received signal. The spreading code of the receiver and the received signal must be the same for the correlation and despreading to be conducted properly. Therefore, the correlation process stored in the table is constructed for one of the terms of the spread spectrum signal. Kuo does not disclose the receiver is a GPS receiver. Underbrink discloses the personal communication device with GPS receiver shown in figure 3. The GPS receiver comprises a GPS receiver as well as a

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CDMA transceiver. The GPS receiver of Underbrink allows numerous types of signals to be received. The provisions share a common clock source (column 2, lines 19-30). This minimizes the physical size of the on-board battery (column 1, lines 14-28) as well as the inherent advantageous of GPS. For these reasons, it would have been obvious for one of ordinary skill in the art at the time of the invention to combine the teachings of Underbrink into the method of Kuo.

Regarding claim 2, Kuo discloses partial summation is used in the correlator (column 4, lines 58-63).

Regarding claims 6 and 7, Kuo discloses the redundant calculations are determined and removed from the calculations. The non-redundant calculations will be computed using the correlation process.

Regarding claim 8, Kuo discloses the use of I/Q spreading in the RAKE receiver (column 2, lines 34-43).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Burd whose telephone number is (571) 272-3008. The examiner can normally be reached on Monday - Friday 9 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Payne can be reached on (571) 272-3024. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kevin M. Burd/ Primary Examiner, Art Unit 2611 2/23/2009